



Micro Focus Transformation Hub

Software Version: 3.5.0

Release Notes

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Phone	A list of phone numbers is available on the Technical Support Page: https://softwaresupport.softwaregrp.com/support-contact-information
Support Web Site	https://softwaresupport.softwaregrp.com/
ArcSight Product Documentation	https://community.softwaregrp.com/t5/ArcSight-Product-Documentation/ct-p/productdocs

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Overview

Micro Focus Transformation Hub centralizes event processing and delivery, helps you to scale your security environment, and opens up event data to third-party solutions. It enables you to take advantage of scalable, high-throughput, multi-broker clusters for publishing and subscribing to event data.

Transformation Hub provides a packaged version of Apache Kafka. After you install and configure a Transformation Hub cluster, you can use SmartConnectors to publish data, and subscribe to that data with Logger, ESM, Recon, Intelligence, or your own custom consumer.

What's New in this Release

This release of Transformation Hub contains the following new features:

- Fusion 1.3 is required for deployment of Transformation Hub 3.5. Fusion access is now required for Kafka Manager and the new access method is fully described in the documentation.
- Based on tuning improvements to SmartConnectors 8.2 and Transformation Hub 3.5, when a Kafka topic is deployed with Leader ACK (ON) – a best practice – then throughput is nearly equivalent to running with Leader ACK (OFF). In prior releases, throughput would degrade by 50% or more with ACK (ON).
- Platform component version updates have been certified on RHEL 7.9/8.2 and CentOS 7.9/8.2, with current releases of Azul Zulu Java runtime, Apache Kafka Client, and the Confluent platform (which includes Apache Kafka, Schema Registry and ZooKeeper).
- Component libraries include current vulnerability compliance, and ciphers are up-to-date. Static cipher suites have been removed.
- Miscellaneous bug fixes described in [Closed Issues](#).

System Requirements

For details on technical requirements for Transformation Hub, see the [ArcSight Platform Technical Requirements](#)

Download Files

For a list of installation files to download for your deployment, see [Downloading the ArcSight Platform Files](#).

Transformation Hub Documentation

Transformation Hub documentation is now included in the [Administrator's Guide to ArcSight Platform 21.1](#). This unified guide comprises the help for ArcSight products deployed as part of the ArcSight Platform and deployable by CDF, which includes Transformation Hub, Recon, Intelligence, ESM Command Center, SOAR, Layered Analytics, and Fusion.

Legacy Transformation Hub documentation for previous versions of the product is maintained on the [Micro Focus support community](#).

Open Issues

This release contains the following open issues.

Key	Description
OCT-112042	<p>If you undeploy the Fusion capability and then redeploy Fusion into the same cluster, pods might remain in CrashLoopBackOff or PodInitializing status. The root cause of the issue is that the redeploy causes the system to forget the password for the rethinkdb database.</p> <p>Workaround: Delete all the files in the following folder before redeploying Fusion: <NFS directory>/vol/arcsight/investigate/search/rethinkdb/hercules-rethinkdb-0. This will cause the rethinkdb database to be automatically recreated when Fusion is redeployed.</p>
INST-3029	<p>If you plan to enable FIPS on either RedHat 8.0 or CentOS 8.0, then you must use the manual installation process, not the multi-node installer. If the multi-node installer is used, then after installation, passwordless SSH communications will fail, due to an RedHat/CentOS 8.0 operating system limitation described here: https://bugs.centos.org/view.php?id=16720 (Note: link goes to an external website).</p>
INST-3013	<p>If sudo-installing a multi-master cluster using the arcsight-install tool, you will notice all capability pods are marked as pending, and itom-cdf-keepalived pod is existing only in single replica and crashing. In addition, the <code>kubectl get nodes</code> command returns all of your worker nodes in a NotReady stats. If the sudo installation for multi-master was executed manually via <code>install.sh</code>, you will notice only the itom-cdf-keepalived pod in single replica count and crashing, even before you try to deploy the capabilities.</p> <p>Workaround: Use <code>kubectl edit ds/itom-cdf-keepalived -n kube-system</code> to edit the daemonset definition of cdf-keepalived. Locate the "nodeSelector" section and change its value (make sure to honor the spacing) to master: "true". Save and exit as a normal vi session. Make sure command <code>kubectl get ds/itom-cdf-keepalived -n kube-system</code> now returns the current/desired replica count of 3.</p>
EB-4044	<p>After installing or upgrading to TH 3.5.0, th-routing-processor groups 6 through 10 will not be able to enter a running state. Logs will show a FailedCreate warning. Please use routing groups 1 to 5. If you need more than 5 routing groups, please contact Micro Focus support.</p>
EB-3992	<p>Intermittently, the Kafka Manager login URL will not be accessible, and returns a 500 error.</p> <p>Workaround: When present, switch the value of the Azure session persistence load balancer configuration for port 443 back and forth from "client IP" to "client IP and Protocol".</p>

Key	Description
EB-3959	The name of the schema field <code>base_event_ids</code> has been changed to <code>baseEventIds</code> .
EB-3953	Intermittently, after Transformation Hub upgrade, C2AV Pods constantly restarts. The symptoms are that the number of restarts increases indefinitely and that the state of the “ <code>th-c2av-processor-N</code> ” and “ <code>th-c2av-processor-esm-N</code> ” changes to “ <code>CrashLoopBackOff</code> ”. Workaround: After upgrade completes, restart the “ <code>th-web-service-NAMESPACE</code> ” pod.
EB-3860	When accessing Kafka Manager, the proper URL is, “ <code><Cluster FQDN>/th/cmak</code> ”. There is a known issue such that adding a forward slash to the end of the URL will cause an error. Avoid adding a trailing forward slash.

Closed Issues

This release resolves the following issues.

Key	Description
EB-3812	For new installations of TH, the FIPS configuration item will now be on, by default.
EB-3543	The Zookeeper port 32181 has been removed. For any Kafka tools that use a Zookeeper parameter, use the <code>--bootstrap-server</code> parameter (with a broker IP and port) instead.
EB-2560	<p>For customers upgrading to 3.5.0, if the configuration item, "Allow plain text (non-TLS) connections to Kafka", is set to false, even though events will not reach TH over port 9092, from a normal Kafka client, the port will still be open. To close the port, do the following:</p> <ol style="list-style-type: none">1. From a terminal session on a cluster node, run the following command: <code>kubectl -n <namespace> edit service th-kafka-svc-nodeport</code>2. Remove the following lines: <code>- name: listener nodePort: 32092 port: 9092 protocol: TCP targetPort: 9092</code>3. Save the edited file .4. To check that the change has been applied, run the following command: <code>kubectl -n <namespace> get service th-kafka-svc-nodeport</code> The Ports column, in the output, should not contain 9092 or 32092.

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Feedback on Release Notes (Transformation Hub 3.5.0)

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